

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please amend the claims as shown in the following listing.

1-55. (Cancelled)

56. (Currently Amended) Plastic-based composite product comprising a plastic mass in which particles comprising wood are homogeneously embedded, which particles have tensile strength in a first particle direction, said product having a chosen principal product direction,

wherein the particles comprise:

small particles being fibers and having a random orientation and a length of 0.2-2 mm; and

large particles dominantly orientated such that their first particle direction is in said chosen principal product direction, said large particles being larger than said small particles and having a length in the first particle direction of about 2-6 mm, wherein the product is elongated and the chosen principal product direction is the longitudinal direction of the product.

2 57. (Previously Presented) Product as claimed in claim ¹~~56~~, wherein the particles are elongated.

[58. (Cancelled)

¹
4 ~~59~~. (Currently Amended) Product as claimed in claim 58 ~~56~~, wherein the wood particles consist of a material selected from the group consisting of fir, spruce, birch and poplar.

²
3 ~~60~~. (Previously added) Product as claimed in claim ~~57~~, wherein the large particles are fibers, and wherein the first particle direction is the longitudinal direction of each fiber.

¹
5 ~~61~~. (Previously added) Product as claimed in claim ~~56~~, wherein the plastic mass is a thermoplastic polymer.

⁵
6 ~~62~~. (Currently Amended) Product as claimed in claim ~~61~~, wherein ~~the particles include particles of wood material~~, wherein said wood material particles are elongated and have a length in the first particle direction and have a transverse dimension perpendicular to said first particle direction, the ratio between the length in the first particle direction and said transverse dimension being 4 or more, wherein the wood particles are present in the plastic mass in a quantity of 40-80% by mass, and wherein the product complies with the following requirements relating to mechanical properties in

- bending strength in the first particle direction: at least 8 Mpa
- bending modulus in the first particle direction: at least 3 Gpa
- tensile strength in the first particle direction: at least 6 Mpa
- tensile stress modulus in first particle direction: at least 3 Gpa
- ~~tensile strength transversely of first particle direction: at least 0.3 Mpa~~
- ~~tensile stress modulus transversely of first particle direction: at least 1 Gp.~~

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7 ~~63~~. (Previously Presented) Product as claimed in claim ~~62~~, wherein the ratio lies in the range of 6-80.

⁸~~64~~. (Previously Presented) Product as claimed in claim ⁶~~62~~, wherein the wood particles are present in the plastic mass in a quantity of 50-70% by mass.

¹²~~65~~. (Previously Presented) Product as claimed in claim ⁵~~61~~, wherein the polymer is a polyolefin.

⁵¹ ¹³~~66~~. (Previously Presented) Product as claimed in claim ¹³~~65~~, wherein the polyolefin material is a material selected from the group consisting of polypropylene and polyethylene.

⁹ ⁶⁷. (Previously Amended) Product as claimed in claim ⁶~~62~~, wherein the particles include particles of non-wood material present in the plastic mass in a quantity of 3-25% by mass, said particles of non-wood material including fibers of natural cellulose polymer.

¹⁰ ⁶⁸. (Currently Amended) Product as claimed in claim ⁶[[67]] ⁶~~62~~, wherein the fibers of natural cellulose polymer are also present and are made from a material selected from the group consisting of flax, jute, hemp, sisal, coconut, bamboo and miscanthus.

¹¹ ⁶⁹. (Previously Presented) Product as claimed in claim ⁶~~62~~, wherein the particles include particles of non-wood material present in the plastic mass in a quantity of 3-25% by mass, said particles of non-wood material including glass fibers with a length of 4-5 mm and a diameter of 0.013 mm and a ratio of length to diameter in the range of 300-400.

¹⁴ ⁷⁰. (Previously Presented) Product as claimed in claim ¹~~56~~, wherein the large particles are plate-shaped having a main plane, the first particle direction extending in said main plane.

⁷¹ ⁷². (Cancelled).

~~15~~ ⁷³ (Previously Presented) Product as claimed in claim ~~56~~¹, comprising at least one coloring agent or pigment.

~~16~~ ⁷⁴ (Currently Amended) Product as claimed in claim ~~56~~¹, wherein the product is ~~forms~~ a plate-shaped layer, a skin layer being adhered to at least one of the sides of the plate-shaped layer.

~~17~~ ⁷⁵ (Previously Presented) Laminated product comprising a plurality of products according to claim ~~56~~¹, wherein the products are plate-shaped and have main planes, and wherein the plate-shaped products are adhered to one another on their main planes.

J! ~~18~~ ⁷⁶ (Currently Amended) Plastic-based composite product comprising a plastic mass in which particles comprising wood are homogeneously embedded, which particles have tensile strength in a first particle direction, said product having a chosen principal product direction,

wherein the particles comprise:

small particles being fibers and having a random orientation and a length of 0.2-2 mm; and

large particles dominantly orientated such that their first particle direction is in said chosen principal product direction, said large particles being larger than said small particles and having a length in the first particle direction of about 2-6 mm, wherein the plastic mass is a thermoplastic polymer.

~~19~~ ⁷⁷ (Currently Amended) Product as claimed in claim ~~76~~¹⁸, ~~wherein the particles include particles of wood material~~, wherein said wood material particles are elongated and have

a length in the first particle direction and have a transverse dimension perpendicular to said first particle direction, the ratio between the length in the first particle direction and said transverse dimension being 4 or more, wherein the wood particles are present in the plastic mass in a quantity of 40-80% by mass, and wherein the product complies with the following requirements relating to mechanical properties in

- bending strength in the first particle direction: at least 8 Mpa
- bending modulus in the first particle direction: at least 3 Gpa
- tensile strength in the first particle direction: at least 6 Mpa
- tensile stress modulus in first particle direction: at least 3 Gpa
- tensile strength transversely of first particle direction: at least 0.3 Mpa
- tensile stress modulus transversely of first particle direction: at least 1 Gpa.

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20 ~~78~~¹⁹ (Previously Presented) Product as claimed in claim ~~78~~¹⁹, wherein the ratio lies in the range of 6-80.

21 ~~79~~¹⁹ (Previously Presented) Product as claimed in claim ~~79~~¹⁹, wherein the wood particles are present in the plastic mass in a quantity of 50-70% by mass.

22 ~~80~~¹⁸ (Previously Presented) Product as claimed in claim ~~80~~¹⁸, wherein the polymer is a polyolefin.

23 ~~81~~²⁷ (Previously Presented) Product as claimed in claim ~~81~~²⁷, wherein the polyolefin material is a material selected from the group consisting of polypropylene and polyethylene.